AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, listings, of claims in the application:

Claims 1-4 (canceled)

Claim 5. (original) A method for making a non-linear inductor from magnetic material comprising:

providing an air gap in said magnetic material that has two or more widths; and

adjusting either each of said two or more air gap widths or the width of said magnetic material adjacent to said air gap to produce a desired non-linear inductance characteristic for said inductor.

Claim 6. (original) The method of claim 5 wherein said two or more widths in said air gap are provided by one or more steps in said magnetic material.

Claim 7. (original) The method of claim 5 wherein said desired non-linear inductance characteristic for said inductor is produced by adjusting only each of said two or more air gap widths.

Claim 8. (original) The method of claim 5 wherein said desired non-linear inductance characteristic for said inductor is produced by adjusting only the width of said magnetic material adjacent to said air gap.

Claim 9. (original) A method for making a non-linear inductor from laminations of magnetic material having different widths comprising:

stacking said laminations to produce an air gap with two or more widths; and

adjusting the width of said air gap and the number of said laminations to produce a desired non-linear inductance characteristic for said inductor.

Claim 10. (original) A method for making a non-linear inductor from laminations of magnetic material having different widths comprising:

stacking at least a predetermined number of said
laminations having one of said different widths and a
predetermined number of said laminations having another of said
different widths to produce an air gap with two or more widths;
and

adjusting the arrangement of said predetermined number of
said laminations having one of said different widths and said
predetermined number of said laminations having said another of
said different widths in said stack to produce a desired non-
linear inductance characteristic for said inductor.

Claims 11-21 (canceled)